M. A. R. 57 (Rule 116)

Measurement Book

No. B 355001

Serial No. 1st and Final bill

Name of Work Improvements to Roads and Drains at Right hand side of Marathi Layout in ward no. 6 From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work ..... Byatarayanapura Sub-Division.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	NAME OF CONTRACTOR : Sri V. Chandrappa						
	WORK ORDER : BBMP/EE/BTP/100/20/16-17						Dt: 30/04/16
	JOB no : 006-15-000025						
	Est cost : Rs 30.00 Lak						
	A.S no : AS/CE(YNK)/40/15-16						Dt: 14/12/15
	T.S no : SE/EE(BTP)/02/15-16						Dt: 26/12/15
	Date of Recording :						
A/C 01	Earthwork in surface Excavation in Ordinary soil for levelling and						

5355100
cost,
22/04
22/4/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	lowering the ground manually and removing the Excavated clufff. to a distance not exceeding 50m and lift upto 1.5m. Excavated surface. levelled & neatly dressed as per specifications.						
	Qty vide P.NO 355052/2			of mm		145.25 cum	
				@Rs 151.77		----	22045.00
AND 02	Earthwork in excavation for foundation of buildings, Culverts wates supply sanitary lines and Electrical conduits. Either in pits or in trenches 1.5m and above in widths in ~~hard~~ soil. Complete as per spafication.						
	Qty vide P.NO 355053			of mm		39.93 cum	
				@Rs 273.80		----	10933.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ..

Date	Full description, etc, of w
1	2
AND 03	Providing and with ope cement metal coarse a machine mixe
	Qty vide P.NO
AND 04	providing and - nry in founda dressed in co

ts	Reference to last Measurement 8
the Excavation upto 1.5m. pecifications.	
5 cum	
- 220455.00	
uildings,	
'el Conduits.	
in widths	
3 cum	
- 10933.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355002

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
BVD 03	Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.89 cum & fine aggregates @ 0.57 cum machine mixed complete as per specification.						
	Qty vide P.NO 355053/2 of TM B @Rs 4814.53					5.70	cum 27493.00
BVD 04	Providing and constructing granite/trap/basalt size stone masonry in foundations with cement mortar 1:6 stone hammered dressed in courses not less than 20cms high bond stones at two						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	m apart in Each course complete as per specification						
	Qty vide P.NO 355053/b					10.53 Cum	
						of TMB	
						@ Rs 3926.49 ----	41346.00
2NO 05	Providing and constructing granite trap basalt rizellone masonry in basement with cement mortar 1:6 Edges of stones chisselled dressed in courses not less than 15cms high bond stone at two m apart complete as per specifications						
	Qty vide P.NO 355054					8.78 Sqm	
						of TMB	
						@ Rs 4657.64 ----	40892.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
2NO 07	providing and K 1:3:6 with OPC cem granite metal coarse Qty vide P.NO 35
2NO 08	Providing flush po mortar 1:3 20mm d lining. Complete Qty vide P.NO 35

Contents 7	Reference to last Measurement 8
ification	
.53 Cum	
- - -	41346.00
Basalt sizestone	
s 1:6 Eadges of	
than 15cms thigh	
specification	
8.78 Sqm	
4 - -	408924.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355003

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
2/10/07	providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 20mm & down size graded granite metal coarse aggregate complete as per specification. Qty vide P.No 355054/2						
					of tms	3.12.	
					@ Rs 5214.46 - - - -		16269.00
2/10/08	Providing flush pointing to coursed stone masonry with cement mortar 1:3 20mm deep after raking joints to depth of 20mm neatly lining. Complete as per specification. Qty vide P.No 355055						
					of tms	17.73	
					@ Rs 94.34 - - - - - -		1673.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
NIO 06.	Providing and removing, centering, shuttering, struting propping etc and removal of formwork for sides and soffits beam, beam haunches cantilever girders. Kerbunners as per specification qty vide P.NO 355055/2					of TMB 11.70	
						@Rs 256.37 - - -	3000.00
NO 10	providing TMT steel reinforcement for RCC work including straightening, cutting bending hooking placing in position lapping and/or welding wherever required as per specification qty vide P.NO 355056/2					of TMB 0.44	
						@Rs 66280.61 - - -	29163.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
NO 09	Providing and M20 with OPC granite metal co as Complete as per deck slab C C C

ontents	Reference to last Measurement
7	8
, strutting	
ider and soffits	
ure as per specification	
.70	
— — 3000.00	
work including	
ring in position	
es specification	
.44	
— — 29163.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355004

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2/10/09	Providing and laying in position plain Cement Concrete of mix M20 with OPC cement @ 320 kgs with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum & fine aggregates Complete as per specification						
deck slab	C1	1	6.40	1.80	0.23	2.65	
	C2	1	6.80	1.80	0.23	2.82	
	C3	1	6.50	1.50	0.23	2.24	
					total	7.71	
					Qty ltd to	7.40	
			@ Rs	5885.11	— — —		43550.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
NO 11	Providing laying spreading and compacting graded stone aggregates to wet-mix macadam specifications including plant-ing the material with water at one mechanical mix plant as per specification.						
	aty vide P.NO 355058/2 of TMB					840.00	
	@ Rs 1627.41 - - -						1367094.00
NO 12	Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base as per specification						
	12th Cross Maruti Layout						
	from 1st Main to Kaluve	1	30.00 (6.00+5.10)			166.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2

	Contents	Reference to last Measurement
	7	8
	acking graded stones ons excluding plenth. hanical mixplant as per specification.	
	840.00	
		1367024.00
	7.5 to 9.8 kg and 9.8% nd medium porosity oare as per specification	
	166.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355005

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents 166.50	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.10+4.80)/2		148.50	
		1	30.00	(4.80+4.85)/2		144.75	
		1	30.00	(4.85+5.00)/2		147.75	
		1	30.00	(5.00+4.80)/2		147.00	
		1	30.00	(4.80+4.90)/2		145.50	
		1	30.00	(4.90+5.00)/2		148.50	
		1	30.00	(5.00+4.80)/2		147.00	
						1195.50.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	1195.50	
1	2	3	4	5	6	7	8
		1	30.00 (4.80+5.50)/2			154.50	
		1	30.00 (5.50+5.20)/2			160.50	
		1	30.00 (5.20+5.30)/2			157.50	
		1	30.00 (5.30+5.40)/2			160.50	
		1	30.00 (5.40+4.90)/2			154.50	
		1	30.00 (4.90+5.50)/2			156.00	
		1	20.00 (5.50+5.40)/2			109.00	
		1	12.70 (5.40+5.30)/2			67.95	
	dead end. R/s cross	1	30.00 (5.20+5.10)/2			154.50	
						2470.45	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	12th A Cross	
	1st R/s road	
	7th Cross	

th	Contents 1195.50 7	Reference to last Measurement 8
	154.50	
	160.50	
	157.50	
	160.50	
	154.50	
	156.00	
	109.00	
	67.95	
	154.50	
	2470.45	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355006

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 2470.45 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	21.90	$\frac{(5.10+5.30)}{2}$		113.88	
	12th A Cross	1	30.00	$\frac{(5.20+5.15)}{2}$		155.25	
		1	15.60	$\frac{(5.15+5.10)}{2}$		79.95	
	1st R/S road	1	30.00	$\frac{(4.80+4.90)}{2}$		145.50	
		1	17.30	$\frac{(4.90+5.00)}{2}$		85.64	
	7th Cross	1	30.00	$\frac{(4.90+4.85)}{2}$		146.25	
		1	30.00	$\frac{(4.85+4.80)}{2}$		144.75	
						3341.67	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 3341.67.	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	26.00 (6.80+6.70)/2			123.50	
		1	30.00 (4.50+5.00)/2			142.50	
		1	30.00 (5.00+4.90)/2			147.00	
		1	22.00 (4.80+4.90)/2			106.70	
	KSA back side road	1	30.00 (6.40+5.00)/2			171.00	
		1	30.00 (5.00+5.20)/2			153.00	
			3.60 (5.20+5.30)/2			18.90	
					Total	4204.26	
					Say	4200.00	
			@ Rs	66.65	— —	— — —	279930.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Dec 12.	Providing & laying 100-120 TPH batch t TPH batch type hom hour using crushed 12th cross Maruti Layout from 1st main to Talwe

BOOK

ns		Contents 3341.67	Reference to last Measurement
adth 5	Depth 6	7	8
		123.50	
		142.50	
		147.00	
		106.70	
		171.00	
		153.00	
		18.90	
	Total	4204.26	
	ward to	4200.00	
			279930.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355007

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2nd 12.	Providing & laying 100-120 TPH batch type bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of .75 tonnes per hour using crushed aggregates. Complete as per specification 12th cross Maruti layout from 1st main to talaw	Same item bituminous concrete 25mm thick with					
		1	30.00	(6.00+5.10)/2	0.025	4.16	
		1	30.00	(5.10+6.80)/2	0.025	3.71	
		1	30.00	(4.80+4.85)/2	0.025	3.62	
		1	30.00	(4.85+5.00)/2	0.025	3.69	
						15.18	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 15.18	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.00+4.80)/2	0.025	3.68	
		1	30.00	(4.80+4.90)/2	0.025	3.64	
		1	30.00	(4.90+5.00)/2	0.025	3.71	
		1	30.00	(5.00+4.80)/2	0.025	3.68	
		1	30.00	(4.80+5.50)/2	0.025	3.86	
		1	30.00	(5.50+5.20)/2	0.025	4.01	
		1	30.00	(5.20+5.30)/2	0.025	3.94	
		1	30.00	(5.30+5.40)/2	0.025	4.01	
						45.71	

C/F.C. ಪುಟ 30/ಅ ಅಭ್ಯಾಸಕ್ಕಾಗಿ ಮಾತ್ರ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	C/F.C. ಪುಟ 30/ಅ ಅಭ್ಯಾಸಕ್ಕಾಗಿ ಮಾತ್ರ
	dead end RLS cross
	12th A cross

K

epth 6	Contents 15·18 7	Reference to last Measurement 8
.025	3.68	
.025	3.64	
025	3.71	
.025	3.68	
025	3.86	
.025	4.01	
.025	3.94	
.025	4.01	
	45.71	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355008

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 45.71. 7	Reference to last Measurement 8
		1	30.00	(5.40+4.90)/2	0.025	3.86	
		1	30.00	(4.90+5.50)/2	0.025	3.90	
	C&F.C. ಪ್ರಕಾರ 30/d ಕಾಲುವೆ ಅಭಿವೃದ್ಧಿಯಂತರದು	1	20.00	(5.50+5.40)/2	0.025	2.73	
			12.70	(5.40+5.30)/2	0.025	1.70	
	dead end RLS cross	1	30.00	(5.20+5.10)/2	0.025	3.86	
		1	21.90	(5.10+5.30)/2	0.025	2.85	
	12th A cross	1	30.00	(5.20+5.15)/2	0.025	3.88	
						68.49	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	68.49.	
1	2	3	4	5	6	7	8
	1st ols road C&FC. 7th Cross Backroads upgradation	1	15.60	(5.15+5.10)/2	0.025	2.00	
		1	30.00	(4.80+4.90)/2	0.025	3.64	
		1	30.30	(4.90+5.00)/2	0.025	2.14	
		1	30.00	(4.90+4.85)/2	0.025	3.66	
		1	30.00	(4.85+4.80)/2	0.025	3.62	
		1	26.00	(4.80+4.70)/2	0.025	3.09	
		1	30.00	(4.50+5.00)/2	0.025	3.56	
		1	30.00	(5.00+4.80)/2	0.025	3.68	
						93.88	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	KSA back side road	

OOK

Depth 6	Contents 68.49 7	Reference to last Measurement 8
0.025	2.00	
0.025	3.64	
0.025	2.64	
0.025	3.66	
0.025	3.62	
0.025	3.09	
0.025	3.56	
0.025	3.68	
	93.88	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355009

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 93.88 7	Reference to last Measurement 8
		1	22.00	(4.80+4.90)/2	0.025	2.67	
	KSA back side road	1	30.00	(6.40+5.00)/2	0.025	4.28	
		1	30.00	(5.00+5.20)/2	0.025	3.83	
		1	3.60	(5.20+5.30)/2	0.025	0.47	
					Total	105.11	105.13
				Qty Hd to		105.00	
			@ Rs	8796.40	- -	- - -	923622.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item 14 Lead for Disposal of Debris shall be payable at carriage rates by mechanical means including and unloading from 0.00 to 2.00 kms.						
	Qty Same as Item No 1					145.25	
	Qty Same as Item No 2					39.93	
					Total	185.18	
				@ Rs 63.92		- - - -	11837.00
						TOTAL	2818728.00

C & FC 29.12.16

30/6/2017

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-14

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	CERTIFICATE :-	
	① This is certified that	
	② Certified that all de	
	③ There is no departme	
	④ 30/6/17	

ಸಹಾಯಕ ಅಭಿಯಂ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ

pth 6	Contents 7	Reference to last Measurement 8
	payable at carriage & and unloading	
	145.75	
	39.93	
6a	185.18	
-	- - - -	11837.00
	TOTAL	2818728.07

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355010

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	CERTIFICATE :-						
	① This is certified that the contractor done the works satisfactorily						
	② Certified that all debreies are removal from the workplace						
	③ There is no departmental issues to the contractor.						
	30/6/17.						

30/6/17

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

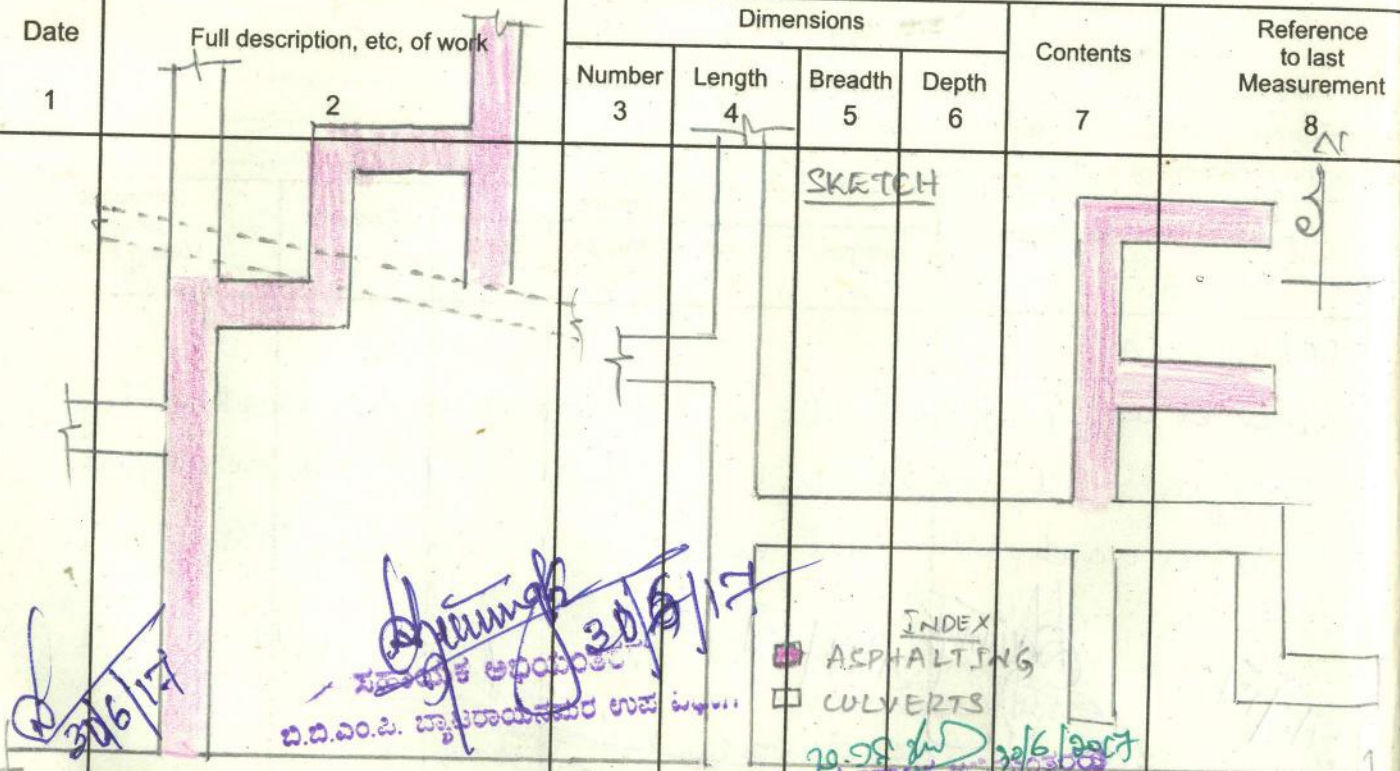
30/6/17

ಸಹಾಯಕ ~~ಕಾರ್ಯ~~ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

SKETCH



30/6/17

30/6/17

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

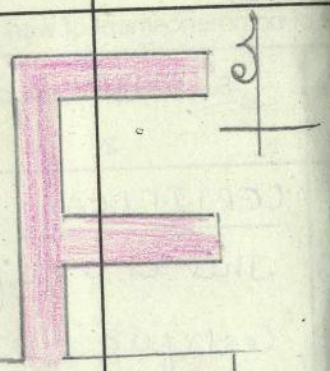
Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Twenty Six

30/6

OK

Depth 6	Contents 7	Reference to last Measurement 8
LH		
INDEX HALTING VERTS		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355011

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						Total M: 28,18,728-00	
						IT- 28187-00	
						Vat 4%. 112750	
						Cess -28187-00	
						CBT 2819-00	
						LR- 36643-00	
						Fine- 9125-00	
						Adj: 217711-	
						Chq: 26,01,017-	

28187.28-00
217711
26,01,017-
twenty six lakh one thousand seventeen